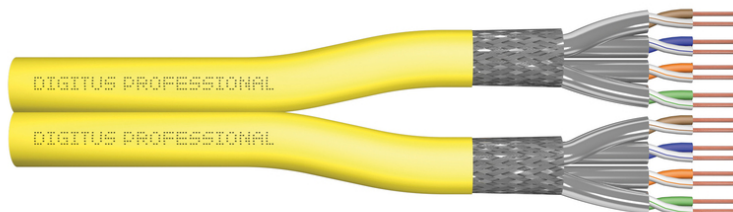


DIGITUS Cat. 7A class FA, S/FTP, Twisted Pair installation cable, 500 m, duplex, 1500 MHz

DK-1744-A-VH-D-5-P
EAN 4016032463726



CAT 7A S-FTP installation cable, 1500 MHz Cca, AWG 22/1, 500 m, DX, color yellow

The DIGITUS® cat. 7A S/FTP installation cable features the following cable structure 4x2x AWG22/1 and achieves a transmission frequency of up to 1500 MHz. The halogen-free cable sheath complies with the standards IEC 60332-3-24, FRNC-C, LSZH-3 and BauPVO Euroclass Cca. The cable is suitable for structured building cabling in secondary and tertiary areas. Complies with the standards ISO/IEC 11801, DIN EN 50173, DIN EN 50288-9-1.

Future-oriented standards and high-end quality for your network.

- Physical properties
- Cable: Bare copper wire, AWG 22/1
- Insulation: SFS-PE (foamed polyethylene sheath)
- Total number of insulated conductors: 8, twisted in 4 pairs
- Color code: Blue-white, orange-white, green-white, brown-white
- Shielding of the individual pairs: Aluminum-covered polyester film, 100% coverage
- Overall shielding: Copper mesh
- Outer sheath: Dca to CCA complies with EN 50575
- Outer sheath thickness (nominal): 0.60 mm (CCA)
- Outer sheath color: Sulfur yellow (RAL 1028)
- Mechanical properties
- Cable grip: 150 N max.
- Dynamic bending radius: 8x AD mm min.
- Static bending radius: 4x AD mm min.
- Transport and storage temperature range: -20 °C to +75 °C

- Operating temperature range: -20 °C to +60 °C
- Installation temperature range: 0 °C to +50 °C
- External diameter simplex (nominal): 8.0 mm (CCA)
- Weight (kg/km): 68.0 kg (CCA)
- Electrical properties
- Impedance: 100 ± 5 ohm @ 1-1000 MHz
- Capacity: 40 pF/m nominal @ 1 KHz
- Capacity unbalance (pair earth): 1.6 pF/m max. @ 1 KHz
- Insulation resistance: 5 Gohm x km min.
- DC resistance: 72 ohm/km max. (2% max. non-balanced resistance)
- Loop resistance: 147 ohm/km max. (2% max. non-balanced resistance)
- Operating voltage: 72 VDC max.
- Insertion loss: 80 dB
- Phase delay: 450 nS/100 m max.
- Signal delay: 10 nS/100 m max.
- Segregation classification: "d" in accordance with EN 50174-2
- NVP: 75%
- Assortment: Twisted Pair Installation Cables
- Category: CAT 7A
- Shielding: S-FTP, pairs in metal foil and braid shielding
- CPR: Cca
- Length: 500 m
- Color: yellow
- Jacket: LSOH
- Structure: 4 x 2 AWG 22/1, solid twisted pair

| Logistics | | | | | | |
|------------------------------|--------------|-------------|------------|------------|-------------|-----------------|
| | Number (pcs) | Weight (kg) | Depth (cm) | Width (cm) | Height (cm) | cm ³ |
| Packaging Unit Carton | 1 | 70.75 | 50.00 | 53.00 | 53.00 | 140,450.00 |
| Packaging Unit Inside | 1 | 70.75 | 50.00 | 53.00 | 53.00 | 140,450.00 |
| Packaging Unit Single | 1 | 70.75 | 50.00 | 53.00 | 53.00 | 140,450.00 |
| Net single without Packaging | 1 | 70.34 | 50.00 | 53.00 | 53.00 | 140,450.00 |

More images:

CAT 7A S/FTP
Twisted Pair Installation Cable,
500 m, Duplex, C_{ca}

DK-1744-A-VH-D-5-P // CAT 7, S/FTP Twisted Pair Installation Cable, 500m, Duplex, C_{ca}

Anwendungsbeispiel
Example of use

DK-1744-A-VH-D-5-P // CAT 7, S/FTP Twisted Pair Installation Cable, 500m, Duplex, C_{ca}

Kabelquerschnitt
Cable cross section

Produktinformationen Product Information

| | | | |
|---------------|--|-------------------|---|
| Hersteller | Digitus (China) Digitus GmbH, Tiefenbrunn | Line | Digitus |
| Artikelnummer | DK-1744-A-VH-D-5-P // 17444-A-VH-D-5-P // 17444-A-VH-D-5-P // 17444-A-VH-D-5-P | Standard | EN 50173-1, EN 50173-2 |
| Produkttyp | Kategorie 7A // 7A // 7A // 7A | Zertifizierung | CE, RoHS, REACH, LFCE, RoHS 2, LFCE, RoHS 2, LFCE, RoHS 2 |
| Material | PVC // LSZH // LSZH // LSZH | Temperaturbereich | -40 °C bis +75 °C |
| Farbe | Schwarz // Schwarz // Schwarz // Schwarz | Brandklasse | Cca CB CPR class |

Elektrische Eigenschaften Electrical Properties

| Parameter | Value |
|-----------------------------|---------------|
| Impedanz | 100 Ω |
| Impedanztoleranz | ±0,5% |
| Reflexionskoeffizient | < -20 dB |
| Leitungsverlust | 0,12 dB/100m |
| Leitungsverlusttoleranz | ±0,02 dB/100m |
| Leitungsverlust bei 100 MHz | 0,12 dB/100m |
| Leitungsverlust bei 100 MHz | 0,12 dB/100m |
| Leitungsverlust bei 100 MHz | 0,12 dB/100m |
| Leitungsverlust bei 100 MHz | 0,12 dB/100m |

Mechanische Eigenschaften Mechanical Properties

| Parameter | Value |
|----------------|-------|
| Druckbelastung | 100 N |
| Druckbelastung | 100 N |
| Druckbelastung | 100 N |
| Druckbelastung | 100 N |
| Druckbelastung | 100 N |
| Druckbelastung | 100 N |

Leistungseigenschaften Transmission Properties

| Frequency | Att. | Att. | Att. | Att. | Att. | Att. | Att. | Att. | Att. |
|-----------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| MHz | dB | dB | dB | dB | dB | dB | dB | dB | dB |
| 1 | 1,2 | 1,8 | 2,4 | 3,0 | 3,6 | 4,2 | 4,8 | 5,4 | 6,0 |
| 10 | 4,2 | 6,3 | 8,4 | 10,5 | 12,6 | 14,7 | 16,8 | 18,9 | 21,0 |
| 100 | 12,6 | 18,9 | 25,2 | 31,5 | 37,8 | 44,1 | 50,4 | 56,7 | 63,0 |
| 1000 | 31,5 | 47,3 | 63,1 | 78,9 | 94,7 | 110,5 | 126,3 | 142,1 | 157,9 |
| 10000 | 63,1 | 94,7 | 126,3 | 157,9 | 189,5 | 221,1 | 252,7 | 284,3 | 315,9 |
| 100000 | 126,3 | 197,4 | 268,5 | 339,6 | 410,7 | 481,8 | 552,9 | 624,0 | 695,1 |
| 1000000 | 252,6 | 384,9 | 517,2 | 649,5 | 781,8 | 914,1 | 1046,4 | 1178,7 | 1311,0 |

GHMT PREMIUM Zertifikat

№: 158892-10

Produkt: CAT 7 S/FTP Twisted Pair Installation Cable, 500m, Duplex, Cca

Kategorie 7A

Digitus Professional Networking

CEP Konformität (CEN 17530)

Brandklasse Cca CB CPR class

Leitungsverlust (dB/100m) 0,12

Reflexionskoeffizient < -20 dB

Impedanz 100 Ω

Leitungsverlust bei 100 MHz 0,12 dB/100m

Leitungsverlust bei 100 MHz 0,12 dB/100m

Leitungsverlust bei 100 MHz 0,12 dB/100m

Leitungsverlust bei 100 MHz 0,12 dB/100m

Leitungsverlust bei 100 MHz 0,12 dB/100m

Leitungsverlust bei 100 MHz 0,12 dB/100m

Leitungsverlust bei 100 MHz 0,12 dB/100m

Digitus Professional Networking

Leitungsverlust (dB/100m) vs Frequency (MHz)

